

TECHNICAL SUPPORT SECTION TOXICOLOGY REVIEW - I

Disinfectants Branch

IN 02-10-87 OUT 03-29-88

Reviewed by Alex Arce <sup>WEC  
4-29-88</sup> Date 03-29-88

EPA Reg. No. or File Symbol 10324-48

EPA Petition or EUP No. None

Date Division Received 02-10-88

Type Product(s): I, D, H, F, N, R, S No Info.

Data Accession No(s). 404960-00-02-03

Product Mgr. No. 31 ( Lee)

Product Name(s) M C 1412-5

Company Name(s) Mason Chemical Company

Submission Purpose Registration

Chemical & Formulation No info.

Active Ingredient(s):

No information .

BACKGROUND

The product will be used as a No information

RECOMMENDATIONS

The data submitted are adequate to place the product tested in the following toxicity category:

<u>STUDY</u>	<u>TOX CATEGORY</u>
Acute Oral	<u>III</u>
Acute Dermal	<u></u>
Acute Inhalation	<u></u>
Skin Irritation	<u>III</u>
Eye Irritation	<u>I</u>

CRP STATUS

This product ~~does~~/does not require special packaging

LABEL

Sample of label is not with this request

DATA REVIEW

Test Laboratory: Hill Top Biolabs, Inc

Acute Oral LD<sub>50</sub> CFR 81.1

Report date: Sep 8 87 MRID No. 404960-01

Method of Testing: CFR 81.1

Species: Rats - Sprague-Dawley

Sex: Male and female Levels Tested: 5.0, 1.25, 2.0 and 3.15 g/kg

Age: Adults No. Animals/dose: 5 M and 5 F

Weights: Acceptable Via: Intubation

Material: Undiluted Observation days: 14

Necropsy: Dead and at sacrifice

Procedure

The material was tested using male and female rats.

The animals were treated to the material by gavage and observed for body weight changes and signs of toxicity

Results:

Signs of Toxicity : Depression, stains , labored respiration, hunched posture

Body Weights : Most survivors gained weight

Mortality : at 5.0, 8/10-- at 1.25 , 2/10, at 2.0, 1/10 and at 3.15, 2/10

Necropsy : Hyperemic intestines , with gas , mottled lungs and livers

Conclusion: The Acute Oral LD<sub>50</sub> is Combined = 3.5 g/kg

Core Minimum data

Toxicity Category: III



Primary Eye Irritation

CFR 81.4

Report Date: Aug 2 87

MRID No.: 404960-03

Method of Testing CFR 81-4

Species: Rabbits

Observation days: 10

Dose: 0.1 ml

Materials: Undiluted

No. of animals: 3 M and 3 F

Via: Eye instillation

Areas: 1 eye other served as control

Necropsy: None

Procedure

The material was instilled into the conjunctival sac of the eye of each rabbit , other eye served as control .

Observations for ocular irritation lasted for 10 days

Results: Severe Corneal opacity and Iritis developed in all

Conjunctival irritation was severe . The product is corrosive

Eyes . . clear: did not clear

Core Minimum data

Toxicity Category: 1

Primary Skin Irritation

CFR 81.5

Report Date: July 26 87

MRID No. 404960-02

Method of Testing: CFR 81-5

Species: Rabbits

Observation days: 72 hours

No. of animals 6

Material: Undiluted

Dose: 0.5 ml

Via: Occluded patch test

Areas: Back

Necropsy: No

Procedure

The material was tested using the previously clipped backs  
of rabbits .

Observations lasted for 72 hours ~~post~~ treatment .

Results: Moderate Irritation was found in all animals

Conclusion: The product is a moderate skin irritant

Core Minimum data

Toxicity Category: III